

Amendments to the Specification

Please replace the paragraph on p. 5, lines 3-17 with the following amended paragraph:

[[for]] For any current symbol at the output of the channel z_n arising from the transmission, because of multiple paths, the successive sequence of the symbols $\{y_{n-L}; y_{n-L+1}; y_{n-1}; y_n\}$ arising from the coding process for the sequence of bits $x = \{x_n\}$ corresponding to successive states $e_{n-L}(x); e_{n-L+1}(x); \dots; e_{n-1}(x)$ and finally $e_n(x)$, which define branches between successive state nodes, a succession of branches designating a path of a trellis representing this code, this method consists moreover in calculating the quadratic error on the basis of the set of observed symbols and of the successive state branches of the coding process, on the basis of the branch metric of the last transition $e_{n-1}(x) \rightarrow e_n(x)$ of the coding process, according to the relationship:

Please replace the paragraph on p.6, lines 34-38 with the following amended paragraph:

Figures 5b and 5c ~~represents~~ represent various comparative tests of values of packet-error rates obtained by virtue of the implementation of the method which is the subject of the present invention and to an optimal solution by decoding then equalization[.]; and

Please insert the following new paragraph after the paragraph on p.6, lines 34-38:

Figures 5d through 5h represent frame error rates determined from simulation trials of frequency-selective models A, B, C, D and E, respectively, for envisaging the normalizing of high-throughput ATM radio networks within interior-type environments.

Please insert the following heading before the paragraph on p.7, lines 1-6:

MORE DETAILED DESCRIPTION

Please delete the heading MORE DETAILED DESCRIPTION that is on p. 9 just before line 1.